

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Nathaniel T. Wallace, Reg. No. 48,909 on 11/03/2009.

The Specification has been amended as follows:

Amend the Brief Description of the Drawings found at page 4, line <sup>22</sup>~~10~~, as follows:

~~Fig. 1 is a flow chart showing a method of segmentation according to an embodiment of the present invention;~~

~~Fig. 2a shows an input image according to an embodiment of the present invention;—~~

~~Fig. 2b shows a histogram of the input image of Fig. 2a, fitted with a mixture of Gaussians according to an embodiment of the present invention;~~

~~Fig. 2c shows a myocardium response image according to an embodiment of the present invention;~~

~~Figs. 3a-b show an example of two passes of Dijkstra's method according to an embodiment of the present invention;~~

~~Figs. 4a-f show an example of applying shape constraints to recover the myocardium contours according to an embodiment of the present invention;~~

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